

RECEIVED

JUN 18 2002

Technology Center 2600



PTO/SB/088 (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                        |                          |                  |
|--|------------------------|--------------------------|------------------|
| Substitute for form 1449B/PTO  |                        | <b>Complete if Known</b> |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |                        | Application Number       | 10/015,931       |
|  |                        | Filing Date              | December 8, 2001 |
|  |                        | First Named Inventor     | Stephen Conant   |
|  |                        | Group Art Unit           | 2621             |
|  |                        | Examiner Name            | Unassigned       |
| Sheet 1 of 2   | Attorney Docket Number | 81600.911                |                  |

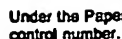
| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |              |  |    |
|---|--------------|--|----|
| Examiner<br>Initials*                             | Cite<br>No.† | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published                                       | T2 |
| JC  | 1            | BRUNO A. OLSHAUSEN and DAVID J. FIELD, Sparse coding with an overcomplete basis set: A strategy employed by V1? Dept. of Psychology and Center for Neuroscience UC Davis January 8, 1998.  |    |
| JC  | 2            | KRYSTIAN MIKOLAJCZYK, Indexing based on scale invariant interest points. In International Conference on Computer Vision, 525-531, July 2001  |    |
| JC  | 3            | CORDELIA SCHMID, ROGER MOHR and CHRISTIAN BAUCKHAGE, Comparing and Evaluating Interest Points, In International Conference on Computer Vision, 230-235, January 1998.  |    |
| JC  | 4            | FARZIN MOKHTARIAN and RIKU SUOMELA, Robust Image Corner Detection Through Curvature Scale Space, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 20, No. 12, December 1998.   |    |
| JC  | 5            | HANS P. MORAVEC, Techniques Towards Automatic Visual Obstacle Avoidance Stanford University, February 27, 1976   |    |
| JC  | 6            | DAVID L. DONOHO and ANA GEORGINA FLESIA, Can Recent Innovations in Harmonic Analysis 'Explain' Key Findings in Natural Image Statistics? Statistics Department, Stanford University (donoho,flesia)@stat.stanford.edu 2001   |    |
| JC  | 7            | STÉPHANE BRES & JEAN-MICHEL JOLION, Multiresolution Contrast Based Detection of Interest Points, Sep 24 18:14:26 METDST 1998 Laboratoire Reconnaissance de Formes et Vision, Bât 403 INSA 20, Ave. Albert Einstein, 69621 Villeurbanne Cedex, France   |    |
| JC  | 8            | E. LOUPIAS & N. SEBE, Wavelet-based Salient Points for Image Retrieval RR 99.11, Laboratoire Reconnaissance de Formes et Vision, INSA Lyon, November 1999. On-line <a href="http://rty.insa-lyon.fr/~loupias/points/">http://rty.insa-lyon.fr/~loupias/points/</a>                                   |    |
| JC  | 9            | PASCAL BRAND and ROGER MOHR, Accuracy in Image Measure SPIE, Videometrics III pp 218-228, 31 October - 4 November '94 Boston, U.S.A.   |    |
| JC  | 10           | STEPHEN M. SMITH and J. MICHAEL BRADY, SUSAN—A New Approach to Low Level Image Processing, International Journal of Computer Vision 23(1), 45-78 (1997), 1997 Kluwer Academic Publishers. Manufactured in The Netherlands. Received May 3, 1993; Revised February 3, 1995; Accepted October 23, 1995 |    |
| JC  | 11           | B. BLAIS, N. INTRATOR, H. SHOUVAL & L. COOPER, Receptive field formation in natural scene environments: comparison of single cell learning rules, Brown University Physics Dept. & Institute for Brain and Neural Systems, Brown University, Providence, RI 02912, February 23, 1998                 |    |

|                       |                  |                    |         |
|-----------------------|------------------|--------------------|---------|
| Examiner<br>Signature | <i>Jan Chang</i> | Date<br>Considered | 2/21/05 |
|-----------------------|------------------|--------------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Applicant's unique citation designation number (optional). ‡ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



**Under the Paper  
control number.**

Approved for use through 10/31/2002. OMB 0551-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

red to respond to a collection of information unless it contains a valid OMB

Substitute for form 14498/PTO

(use as many sheets as necessary)

Sheet

2

of

2

**Complete if Known**

Application Number

10/015,931

**Filing Date**

December 8, 2001

**First Named Inventor**

## Stephen Conant

### Group Art Unit

2621

Examiner Name

Unassigned

Attorney Docket Number

81600.911

#### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

**Examiner  
Signature**

Jon Chang

Date \_\_\_\_\_

**Considered**

2/21/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

[illegible]

Technology Center 2600

|                       |                  |                    |         |
|-----------------------|------------------|--------------------|---------|
| Examiner<br>Signature | <i>Jon Chang</i> | Date<br>Considered | 2/21/05 |
|-----------------------|------------------|--------------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.